CLAIMS

What is claimed is:

1   1.   A method for distributing frames, comprising:

2   assigning a plurality of consecutive data frames to

3   different data packets, each data packet including data

4   frames that are sufficiently far apart such that loss of any

5   particular data packet distributes impact that the loss has

6   on quality of recovered data.

1   2.   The method of claim 1, further comprising:

2   packing said each data packet with assigned frames; and

3   sending the data packets to a destination node.

1   3.   The method of claim 1, wherein said each data

2   packet includes data frames that are at least two frames

3   apart.

1   4.   The method of claim 1, wherein said data frames are

2   audio frames.

1   5.   The method of claim 1, wherein said assigning

2   distributes data frames into different packets at a uniform

3   interval.

1   6.   The method of claim 5, wherein the uniform interval

2 is 5.

1   7.   The method of claim 1, wherein said plurality of

2 consecutive data frames includes at least two frames.

1   8.   The method of claim 1, wherein said assigning a

2 plurality of consecutive data frames includes assigning a

3 current data frame of said plurality of consecutive data

4 frames to a packet that is at least two packets away from a

5 packet that contains a previous data frame.

1   9.   A method for distributing data frames of a

2 multimedia entity, comprising:

3   distributing the data frames among a plurality of data

4 packets, each data packet including the data frames from

5 different parts of the multimedia entity, where said data

6 frames from different parts are sufficiently spread out among

7 said plurality of data packets to reduce the impact of a

8 packet loss on quality of recovered data compared to packing

9 consecutive data frames into sequential data packets.

1   10. The method of claim 9, wherein said multimedia

2   entity includes a video frame.

1   11. The method of claim 9, wherein said multimedia

2   entity includes a graphical image.

1   12. The method of claim 9, wherein said sufficiently

2   spreading out includes packing a data packet with data frames

3   that are at least two frames apart.

1   13. The method of claim 9, wherein said plurality of

2   data packets includes at least five packets.

1   14. A frame distribution system, comprising:

2   a processor configured to assign a plurality of

3   consecutive data frames to different data packets, each data

4   packet including data frames that are sufficiently far apart

5   such that loss of any particular data packet distributes

6   impact that the loss has on quality of recovered data; and

7   a packetizer to pack a current frame into a data packet

8   assigned by said processor.

1   15. The system of claim 14, wherein said data frames

2   are audio frames.

1   16. The system of claim 14, wherein said each data

2 packet includes data frames that are at least two frames

3 apart.

1   17. A data packetizing system, comprising:

2   a frame receiving element arranged to receive a sequence

3 of data frames including consecutive parts of a segmented

4 data entity; and

5   a frame assigning element arranged to assign a current

6 data frame in said sequence of data frames to a data packet,

7 where said frame assigning element assigns the current data

8 frame to the data packet different from a data packet

9 containing a previous data frame.

1   18. The system of claim 17, wherein said segmented data

2 entity is a video frame.

1   19. The system of claim 17, wherein said segmented data

2 entity is an audio sequence.

1   20. The system of claim 17, further comprising:

2   a frame packing element to pack data frames into

3 assigned data packets.